A60 E14 (E36)	FARH 06.07.82 A(2-A1, 2-A3, 4-D4, 10-B3) E(10-A4, 31-F5)
7-040-4707 VI	
1 CO.V. SZ-TR-UTIGIT (12.07.04) COST-UZ/ SZ CUGI-U4/ 40 CUGI-ZU/ 30	COPOLYMERS
comprises proprie pref. cumena hydroperoxide and thionyl chloride	The couple is pref. used for the prepn. of salified or
	quaternised acrylamide/dimethylaminoethyl acrylate or
	salified acrylamide/2-acrylamide 2-Me propanesulphonic
C84-016246	acid,
A liposoluble, redox couple for initiating in-	EXAMPLE
verse, o/w emulation polymen, of water soluble vinyl mono-	298.1 o acredic acid in 260 a water and 197 a NH OH
mery reactive at 0 C. comprises an organic hydroperox-	(34%) were mixed at helow 25° C (nH h). The obid soln
ide and thionyl chloride.	
Water-soluble homo- or copolymers obtd, using the	was then added with stirring to a soin, of 200 g 10-12 C
couple are also claimed.	n-alkanes of b.pt, 195-230" C and 29.6 g sorbitan isostear-
	ate.
ADVANTAGES	The emulaion was homogenised to a Brookfield viscos-
Use of the redox couple results in easy control of heat	ity of 400-800 mPa.s (20 rpm, at 20° C). The emulsion was
evolution. The polymers obtd. are of consistent quality,	flushed with N, to remove O, and then cooled to 5° C.
have high mol, wts, and are free from microgels. The	A soln. of 0.08 g cumene hydroperoxide in 10 cc. of 10-
couple is entirely soluble in the continuous oil phase and	12 C n-alkanes (70-73%) was added to the emulsion follow-
sparingly soluble in water.	ed by dropwise addition of a soln, of 0,105 g SOCI, in 30
PREFERKED COUPLE	cc, of the above alkanes.
The hydroneroxide is cumene hydro-neroxide Mole-	One minute after the start of the addition of SOC12, an
ratio of hydroneroxide to thionyl chlowide is 0.1.1.	exothermic reaction occurred and the temp, rose by 4-6°
***************************************	C per min. In 15 mins. the reaction medium was at 87° C.
	FR 2529895-A+

FR2529895-A I hr. and then cooled to room temp.

An o/w dispersion of NH, polyacrylate was obtd, with a Brookfield viscosity of 100-150 mPas and a Brookfield viscosity of 1500-2000 mPas as a 5% soln. in water. Solids content was 34%. The reaction mixt, was allowed to stand at that temp, for